

ABSTRACT OF THE DISCLOSURE

The present invention provides a system and method for testing compliance of a device with a bus protocol. The method comprises the steps of reading a configuration file containing predetermined parameters identifying the type of device and capabilities of the device, and then employing a configuration engine to dynamically generate a test environment for the device by creating selected test components which are coupled via the bus with a representation of the device to form the test environment, the test components being selected dependent on the configuration file. A test sequence is then executed, during which signals passed between the representation of the device and one or more of the test components are monitored to generate result data indicating compliance with the bus protocol. This approach has been found to provide a particularly user friendly and efficient approach for testing compliance of devices with a bus protocol.